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WHY BUY
WHEN YOU CAN HIRE

Efficiency displayed with elegance

An attractive structure and a shape that makes room

The MTX family's appealing and modern design, which is especially compact, will fit perfectly into your workspace. Placed directly on a counter top, their design leaves room in front of them.

Their height has been calculated so they fit nicely in half-shelf spaces. Having a standard length and not very deep, they can be placed on top of another instrument. Since they have a built-in handle and are light in weight, these instruments are easy to displace and carry.

A leader in technology, innovative to the fingertips

The qualities of the MTX do not limit themselves to their looks. With the latest 16-bit microprocessor, a downloadable software and a 100% digital calibration, these instruments are smart too. As for safety, a resettable electronic protection eliminates the need for the mains fuse.

A user-friendly, man-machine interface with exceptional legibility

Even at a distance or in poor light (sun, neon), the measurements are perfectly readable, perfectly legible thanks to its large (50 x 140 mm), dark background display and adjustable led-matrix backlighting as well as the exceptional height of the main display (20 mm).

Situated on the front panel, the operations zones are large, coherent, and organized; and the measurement connections are easily accessible. Primary functions are selected directly with keys that are marked with their function and a led.

A high-performance encoder makes it possible to make settings, and contextual keys located at the edge of the screen clearly show the configuration.

The MTX 3240 and MTX 3250 are available in their programmable version using an insulated and rapid RS232 optical interface, guaranteeing the complete safety for the user and associated equipment.

Even the selection keyboard is the latest in technology with its microswitch contacts that have an exceptionally long life span: more than 100,000 maneuvers. The markings on the keys are made with permanent laser engraving.

With the MTX family, Metrix makes it possible for each professional to access instruments which are the best of the best.

Characteristics subject to modifications according to technological developments

metrix
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For assistance and ordering

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MTX 3240 – MTX 3250

MTX COMPACT

Generator-Measurer MTX 3240
Multimeter-Analyzer MTX 3250

So smart, you can choose them just for their looks!

- An innovative ergonomic design for unmatched comfort and user-efficiency
- A light and compact case having operations zones which are least twice as large as those of traditional instruments
- A display with see-it-to-believe-it dimensions and legibility
- Technological alterations associating new, yet necessary features
- Digital calibration at 100% for controlled accuracy
- Completely programmable models via optical RS232 as per SCPI protocol
- Assets that even appeal to the world of industry and technical education

metrix

The choice of professionals

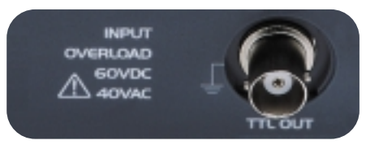
MTX 3240: the stand-alone generator-measurer

A generator with innovative features

Its advanced technology allows each user to benefit from its new, yet essential functions:

- Frequency settings - guarantees stability to the nearest digit, and intelligent accelerator - with automatic range change for frequency

- Automatic range changing optimized for "LEVEL and OFFSET" amplitude (AMPL LEVEL)
- Duty cycle adjustable without varying or dividing the frequency
- "LOGIC" function (LOGIC HIGH / LOGIC LOW) for a fast and simple answer to generating logic signals with directly adjustable thresholds
- A robust generator with protected 60 VDC / 40 VAC outputs



All the members of the MTX Compact family have the same heritage: they have attractive and ergonomic stature, are highly intelligent and good natured, yet show much character in their respective roles.

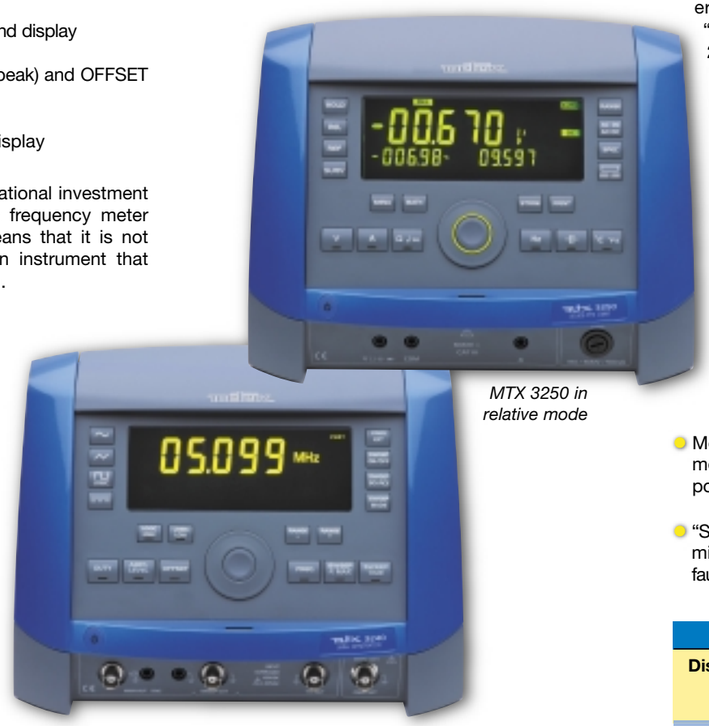
Associated features

Another advantage of these innovations: full functionality for the user's investment. The MTX 3240's associated features give it stand-alone implementation which means that, when simply testing settings, one can avoid the systematic use of an oscilloscope or multimeter.

- Frequency control loop and display
- AMPLITUDE vpp (peak/peak) and OFFSET VDC check and display
- Duty cycle check and display

The MTX 3240 is also a rational investment for it is also a 100 MHz frequency meter (Cat. I, 300 V), which means that it is not necessary to purchase an instrument that one doesn't use that often.

And in order to meet the user's expectations of automated systems in an economical way, a 100% programmable version of this generator exists via a rapid, SCPI-compatible link.



MTX 3240 with built-in frequency meter

MTX 3250 in relative mode

SPECIFICATIONS

Display	Frequency range	Signal forms	Outputs	Sweep	External frequency meter	Power supply	Dimensions H x L x W	Interface MTX 3240-P
LCD 50 x 140 mm Main display 20 mm 4 variables at a time	0.1 Hz to 5.1 MHz 7 ranges + fine-tuning to the nearest digit + accelerator Accuracy: 0.05 %	Sine, square, triangle, pulse, ramp, TTL, LOGIC Distortion < 0.5 %	1)Main: up to 20 Vpp open circuit, automatic range 2) TTL Protection: overload 60 VDC / 40 VAC	LIN or LOG CONTINU 1: 50 Min 10 ms to 10 s Internal or external	0.1 Hz to 100 MHz Accuracy: 0.05 % Input 300V, Cat. I Automatic responsiveness	115 V - 230 V - 240 V 50 / 60 Hz 300 V, Cat. II	170x270x190 mm Weight: 2.8 kg	optical RS232

Accessories and information for ordering

Standards: safety as per IEC 61010-1, 2001 and EMC as per NF 61326-1, 1998
Warrantee: 3 years
The MTX 3240 generator is supplied with a mains power cable, a user's manual and an interactive presentation of the instrument on CD-ROM.
To order

MTX3240	Functions Generator 5.1 MHz
MTX3240-P	Functions Generator 5.1 MHz + RS232 Supplied with an RS232 optical link, a programming manual and Labwindows / Labview drivers on CD-ROM.

MTX 3250: the built-in multimeter-analyzer

A multimeter at the leading edge of modes

It all begins with a connection reduced to 3 terminals which limits maneuvers and errors and allows complete current "AUTORANGING" between 50 µA and 20 A. Then with its 3-way display, the MTX 3250 gives measurement combinations that meet current applications simply and efficiently, as for example, bandwidth measurement (attenuation in dB and frequency display).

- For metrology control, the "SPEC" Mode calculates and displays the instrument's uncertainties according to the ranges and the measured value

- Mode (MATH) gives a direct reading of the measured quantity, as well as the corresponding physical unit
- "Surveillance" Mode (SURV) records the minima and maxima so to catch and date faults
- "RELATIVE" Mode, expressed in absolute, percentage or dB (ratio), makes direct operations

Associated features

Like the generator of the same family, the MTX multimeter is an exceptional, multifunctional device. Thanks to its signal analysis, there is no need for the user to use other instruments (an oscilloscope for example) when verifying made measurements.

Impossible to make errors, which are so frequent and yet often ignored, due to very high crest factor. In fact, the MTX 3250 measures rapid peaks at 500 µs non-stop and lets you know when it finds a fault. Better still, when "AUTO PEAK" Mode is validated, the multimeter automatically switches to the range best suited to the type of signal measured. Since crest factor is displayed, one can also make an initial quantitative diagnosis on signals.

The MTX 3250 is a rational investment for it is also a frequency meter, a thermometer and even a logger, which means that it is not necessary to purchase instruments that one doesn't use that often. Also for recording up to 4 channels and 12 parameters in the laboratory, the "data logger" version of this multi-purpose instrument offer high-performance service with its associated PC software.

Temperature is measured directly starting from Pt 100 or Pt 1000, and in the same way that frequency is measured, up to 1 MHz, with period and duty cycle.

And in order to better meet the users' expectations of automated systems, a 100% programmable version of this instrument exists via a SCPI-compatible, RS232 optical link at 57,600 bauds.

SPECIFICATIONS

Display	VDC ranges and basic accuracy	VAC ranges and basic accuracy Bandwidth	IDC ranges and basic accuracy	IAC ranges and accuracy Bandwidth	Ohm ranges and basic accuracy	Dimensions H x L x W	Interface MTX 3250-P MTX 3250-A
50,000 counts LCD 50 x 140 mm Backlit 3-way display	500 mV - 500 V & 1000 V 0.08%L+3D	500 mV - 600 V 0.5%R + 3D (50,000 counts) 100 kHz	500 µA - 500 mA & 10 A 0.2%R + 3D	5 µA – 500 mA & 10A 0.5%R + 3D 10 kHz	500 Ω - 50 MΩ 0.1%L + 3D	170 x 270 x 190 mm Weight: 2.3 kg	optical RS232 57,600 bauds

- Other measurements: continuity test, diode test, 50 nF – 50 mF capacitance, frequency 1 Hz -1 MHz, duty cycle 0.01% to 100%, temperature - 200 to + 800°C, pt 100 and pt 1000.
- PEAK HOLD function: Pk+/ -500 µs on I & V, crest factor
- Additional features: SURV = dated MIN/MAX / MATH = dB, dBm, ax+b / OFFSET (Offset, nil, delta%) / Data HOLD & Auto HOLD
- Additional features on the MTX 3250-P: PRINT, 0.5 s to 10 h rate, clock and calendar, RS232 optical drive
- Additional features on the MTX 3250-A: DATA LOGGER with 1,500 stored measurements, 1 or 3 values at a time.

Accessories and information for ordering

Standards: safety as per IEC 61010-1, 2001 and EMC as per NF 61326-1, 1998
Warrantee: 3 years
The MTX 3250 multimeter is supplied with 1 mains power cable, 1 set of measurement leads, a user's manual and an interactive presentation of the instrument on CD-ROM.
To order

MTX3250	50,000-count Benchtop Multimeter
MTX3250-P	50,000-count Benchtop Multimeter + RS232 Supplied with an RS232 optical link, a programming manual and Labwindows / Labview drivers on CD-ROM.
MTX3250-A	50,000-count Benchtop Multimeter + Logger Supplied with an RS232 optical link, a programming manual and Labwindows / Labview drivers and the SX-DMM data logger software on CD-ROM.

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All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

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